

Converting Colors

$Y_{xy}(110.7160, 0.3603, 0.4906)$

Have a look what the booklet for
Yxy(110.7160, 0.3603, 0.4906)
contains.

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Color

Yxy(89.1118, 0.3721, 0.4697)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF74
RGB	227, 255, 116
RGB Percent	89%, 100%, 45%
CMY	0.1098, 0.0000, 0.5449
CMYK	0.11, 0.00, 0.54, 0.00
HSL	72°, 100%, 73%
HSV	72°, 54%, 100%
XYZ	70.5951, 89.1118, 30.0138
YIQ	230.7820, 27.9310, -49.1650

Conversions

Conversions Part 2

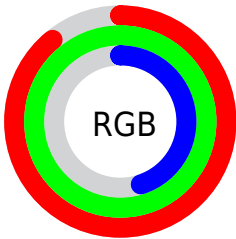
Format	Color
R _Y B	116, 255, 144
Decimal	14942068
CIE Lab	95.63, -28.34, 62.30
CIE LCh	96, 68.443, 114.463
Yxy	89.1118, 0.3721, 0.4697
Android (android.graphics.Color)	4293132148 (0xFFE3FF74)
YUV	230.7820, -56.5875, -3.3168
Hunter-Lab	94.3990, -31.7095, 47.2283

Details

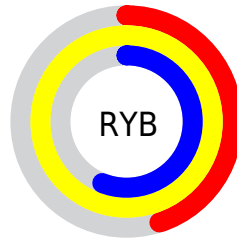
The Yxy color **89.1118, 0.3721, 0.4697** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.6523, 0.2250, 0.1612**, and the grayscale version is **80.1590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **49.1601, 0.3797, 0.4991** is the 20% darker color. If you saturate the color by 10%, you get **87.7771, 0.3790, 0.4913**, and if you desaturate by 10%, it is **90.6396, 0.3632, 0.4452**.

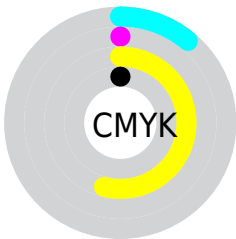
Distribution



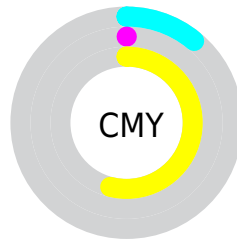
- Red (89%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (56%)



- Cyan (11%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1118, 0.3721, 0.4697 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 89.1118, 0.3721, 0.4697 by changing the saturation by 10% instead.


 89.1118, 0.3721,
0.4697

 89.1118, 0.3721,
0.4697


525.1373, 0.3494,
0.4061


 67.2442, 0.3758,
0.4833


 146.1040, 0.3654,
0.4483

 49.2831, 0.3797,
0.4995


 181.9975, 0.3624,
0.4397

 34.8441, 0.3833,
0.5189


 223.3350, 0.3597,
0.4323

 23.5428, 0.3860,
0.5422

270.5009, 0.3573,
0.4258

 14.9948, 0.3861,
0.5699

323.8797, 0.3550,
0.4200

 8.8158, 0.3871,
0.6129


383.8558, 0.3530,


 4.6212, 0.3620,


0.4148


0.6380

450.8136, 0.3511,
0.4102


 2.0268, 0.3208,
0.6792


 0.6230, 0.0000,
1.0000


 89.1118, 0.3721,
0.4697

 89.1118, 0.3721,
0.4697


 87.7771, 0.3790,
0.4913


 90.6396, 0.3632,
0.4452


 86.6136, 0.3835,
0.5090


 92.3648, 0.3528,
0.4190


 85.6079, 0.3853,
0.5222

 94.3013, 0.3414,
0.3922

 84.7402, 0.3846,
0.5306

 96.4594, 0.3297,
0.3656

 84.3061, 0.3834,
0.5338

 98.8487, 0.3179,
0.3400

100.0000, 0.3127,
0.3290

Harmonies

Analogous

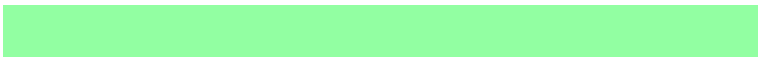
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1118, 0.4336, 0.4379



89.1118, 0.3721, 0.4697



89.1118, 0.2986, 0.4544

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1118, 0.3721, 0.4697



89.1118, 0.1804, 0.2458



89.1118, 0.3907, 0.2763

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



89.1118, 0.3721, 0.4697



25.6523, 0.2250, 0.1612

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1118, 0.3119, 0.2362



89.1118, 0.3721, 0.4697



89.1118, 0.1976, 0.2167

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1118, 0.3721, 0.4697



89.1118, 0.1917, 0.3057



89.1118, 0.2425, 0.2149



89.1118, 0.4498, 0.3284

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1118, 0.3721, 0.4697



89.1118, 0.2527, 0.4137



89.1118, 0.2425, 0.2149



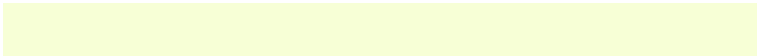
89.1118, 0.3650, 0.2612

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



89.1144, 0.3721, 0.4697



96.1198, 0.3314, 0.3696



42.4178, 0.4581, 0.3576



20.4760, 0.3339, 0.3750



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1144, 0.3721, 0.4697



87.7141, 0.3793, 0.4923



80.0235, 0.3266, 0.4934



20.8951, 0.3238, 0.3527



44.1165, 0.3840, 0.5333



4.3401, 0.3883, 0.5299

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.6523, 0.2250, 0.1612



18.5906, 0.2053, 0.1282



33.9131, 0.2814, 0.1841



17.5539, 0.3010, 0.3046



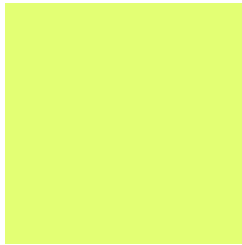
4.1947, 0.1598, 0.0654



0.4517, 0.1697, 0.0708

Previews

White Background



This preview shows how the Yxy color 89.1118, 0.3721, 0.4697 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 89.1118, 0.3721, 0.4697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

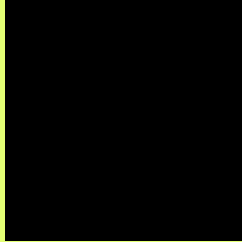
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1118, 0.3721, 0.4697

Background



This preview shows how black text looks on a background with the Yxy color 89.1118, 0.3721, 0.4697.

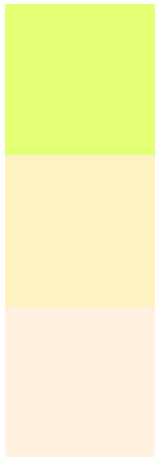


This preview shows how white text looks on a background with the Yxy color 89.1118, 0.3721, 0.4697.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

89.1118, 0.3721, 0.4697

Protanopia

88.6145, 0.3524, 0.3780

Deuteranopia

88.9079, 0.3334, 0.3458



Tritanopia

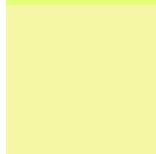
88.5949, 0.3056, 0.3142

Trichromacy



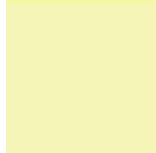
Original Color

89.1118, 0.3721, 0.4697



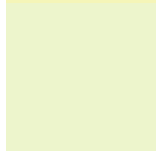
Protanomaly

88.6506, 0.3615, 0.4124



Deuteranomaly

88.1780, 0.3504, 0.3913



Tritanomaly

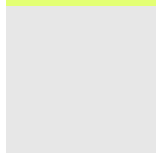
87.6690, 0.3324, 0.3714

Monochromacy



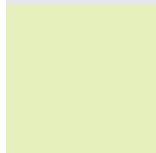
Original Color

89.1118, 0.3721, 0.4697



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.8173, 0.3377, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1118, 0.3721, 0.4697 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 116) }
```

Border

The CSS property to change the border of an element to Yxy 89.1118, 0.3721, 0.4697 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 255, 116) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 255, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1118, 0.3721, 0.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
255, 116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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